

## Abstract

A water treating system utilizes antimicrobial sand filter for killing bacteria and preventing microbial growth. Said antimicrobial sand filter consists of organic quaternary ammonium salt and inorganic metal compound.

1. The present invention relates to a water treating system for killing bacteria and preventing microbial growth. The system includes a sand filter containing an antimicrobial agent. The antimicrobial agent is a quaternary ammonium salt and an inorganic metal compound.